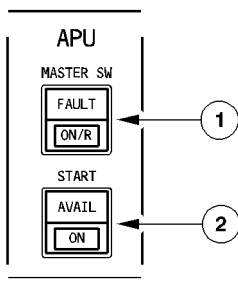


OVERHEAD PANEL

FFCS-01-4920-001-A102AA



① MASTER SW pb

This pushbutton controls the electric supply for the operation of the APU and its protective features. It also controls the starting and shutdown sequences.

- ON/R :
- The ON light comes on blue.
 - Electric power goes to the APU system. The ECB performs a power-up test.
 - The APU air intake flap opens.
 - The APU fuel isolation valve, and APU LP valve open.
 - The APU is fed by the APU pump or by the engine 1 pump, if engine 1 is running. (Refer to 1.28.10).
 - If the aircraft has ground power, or main generator power, the APU page appears on the ECAM display.
- Off :
- Manual shutdown sequence.
 - The ON light, on the MASTER SW, goes off.
 - The APU keeps running for a cooling period of 105 seconds at 100% speed.
 - Then, after an additional running period of 15 seconds (for No Break Power Transfer), the APU shutdown and the AVAIL light goes off.
 - At N 7 %, the air inlet flap closes.

Note : Switching OFF, then ON, the MASTER SW resets the ECB.

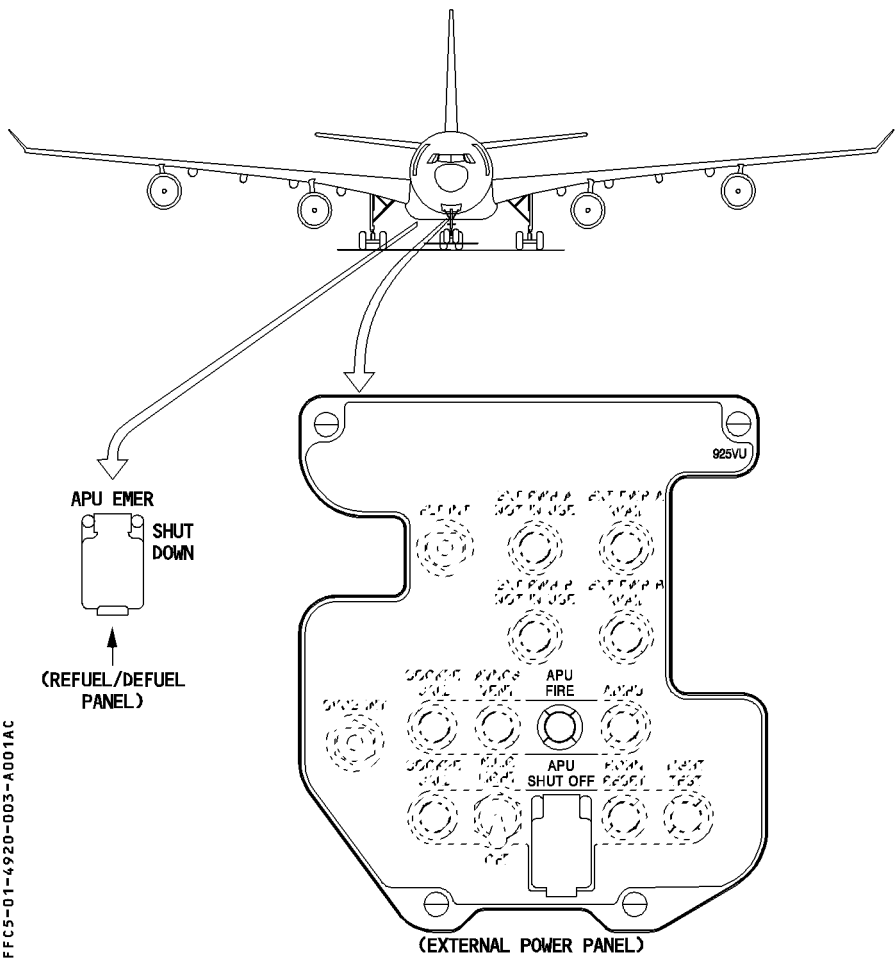
- FAULT It :
- This amber light comes on, and a caution appears on ECAM, when an automatic APU shutdown occurs (refer to 1.49.10).

	APU CONTROLS AND INDICATORS	1.49.20	P 2
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② START pushbutton

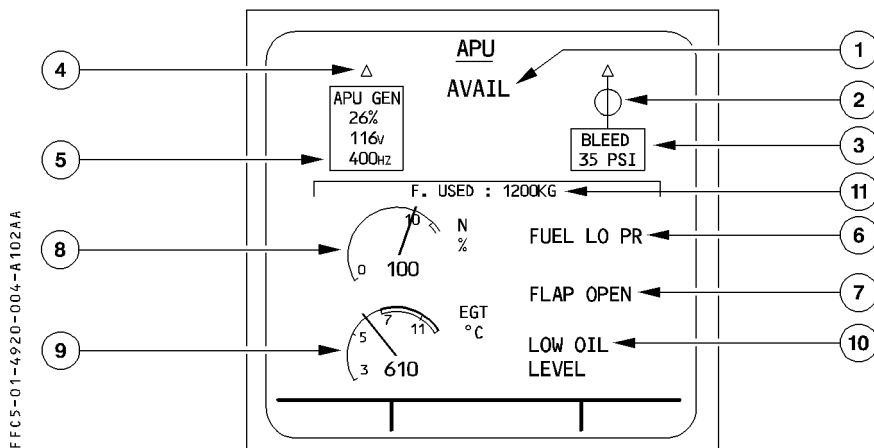
ON	:	The blue light comes on. When the flap is completely open, the APU starter is energized. When N = 7 %, ignition is turned on. When N = 50 %, the APU starter is de-energized, and ignition is turned off. When N = 95 %, the ON light on the START pushbutton goes off and AVAIL comes on in green. • The APU may now supply bleed air and electrical power to the aircraft systems. 10 seconds later, the APU page disappears from the ECAM display.
AVAIL It	:	This light comes on green, when N reaches 95 %.

EXTERNAL CONTROLS



	APU CONTROLS AND INDICATORS	1.49.20	P 4
		SEQ 102	REV 16

ECAM APU PAGE



①AVAIL indication

It is in green, when APU N is above 95 %.

②APU bleed valve position

It is only displayed if the APU MASTER SW is ON/R.

- ① green : The APU valve is fully open.
- ⊖ green : The APU valve is not fully open.

③APU bleed air pressure

This box displays the relative bleed air pressure in green.

It shows an amber XX, when ADIRS 1 is not available, or selected OFF.

④APU GEN line contactor indication

It is in green, when the APU GEN line contactor is closed. It is in white, if the line contactor is open.

⑤APU GEN

It is identical to the APU GEN parameters on the ELEC page.

⑥FUEL LO PR

It is in amber, if APU fuel low pressure is detected.

	APU CONTROLS AND INDICATORS	1.49.20 P 5	
		SEQ 102	REV 16

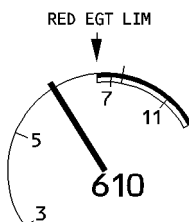
⑦ FLAP OPEN

Displayed green when APU air intake flap is fully open (MASTER SW is ON)

⑧ APU N

- Displays the APU speed in green.
- It becomes red, when $N \geq 106\%$.

⑨ APU EGT



- It displays the APU EGT (needle and digital indication) in green.
- It pulses, when the ECB detects an advisory.
- It becomes red, when $EGT \geq \text{RED EGT LIM}^*$ is associated with an automatic shutdown.

*

ECB calculates the RED EGT LIM and transmits it to the ECAM. It is equal to the lower border of the red sector. It is a function of N during start, and a function of ambient temperature and pressure when the APU is running.
 Maximum EGT during start : 1250° C (refers to 0 % APU speed).
 Maximum EGT with APU running : 650° C (Sea level, standard day).

⑩ LOW OIL LEVEL

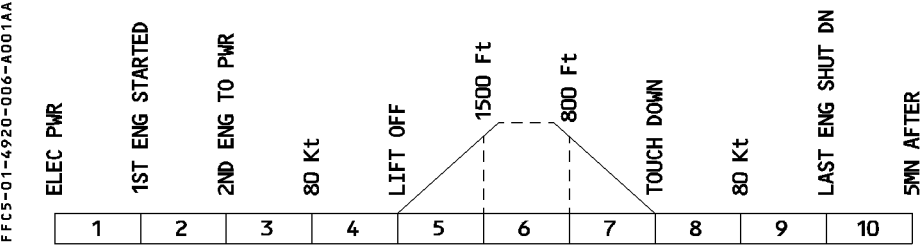
This advisory is displayed if the ECB detects a low APU oil level, when the aircraft is on the ground and the APU is not running.

⑪ Fuel used indication

- Fuel used by the APU is calculated by the ECB.
- It is normally green. If no data is computed, the last computed data is crossed out by two amber dashes.
- Units may either be KG or LB, depending on the DMC pin program.

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WARNINGS AND CAUTIONS



E/WD: FAILURE/TITLE conditions	AURAL WARNING	MASTER LIGHT	SD PAGE CALLED	LOCAL WARNING	FLT PHASE INHIB
AUTO SHUT DOWN Automatic shut down of APU for a reason other than a fire	SINGLE CHIME	MASTER CAUT	APU	APU MASTER SW FAULT It	3, 4, 5 7, 8
EMER SHUT DOWN Use of APU shut off pushbutton on interphone panel or on refueling/defueling panel or APU FIRE pushbutton pushed. If non automatic shut down a failure has been detected by the ECB, but the APU remains available.					

MEMO DISPLAY

APU AVAIL message is displayed in green when APU N is above 95 %.